



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-20114E-A

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization

2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan

<https://ecoleaf-label.jp/>



Workgroup Mono Laser + Network Printer

HL-L5100DN



Functional unit

Per unit of product

System boundary

- final products
- intermediate products

Material - Product - Distribution - Use - Disposition

Main specifications of the product

Model name: HL-L5100DN

- Printer (EP method)
- Black & White
- Product weight: 10.9 kg Packaging etc. :2.4kg
- Printing Speed: 40ppm (A4)
- Automatic duplex printing
- Wired LAN

* This product is for European Union.

Company Information

Brother Industries, Ltd.

TEL: 81-52-824-2511 (Representative)

FAX: 81-52-824-5177

<https://www.brother.eu/>

Registration#	JR-AI-20114E-A
PCR number	PA-590000-AI-03
PCR name	Imaging input and/or output equipment
Publication date	2/26/2021
Verification date	2/19/2021
Verification method	System certificaion
Verification#	JV-AI-20114
Expiration date	2/18/2026
PCR review was conducted by:	
Approval date	11/8/2019
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

Third party verifier*

Wataru Kawamura

Independent verification of data & declaration in accordance with ISO14025

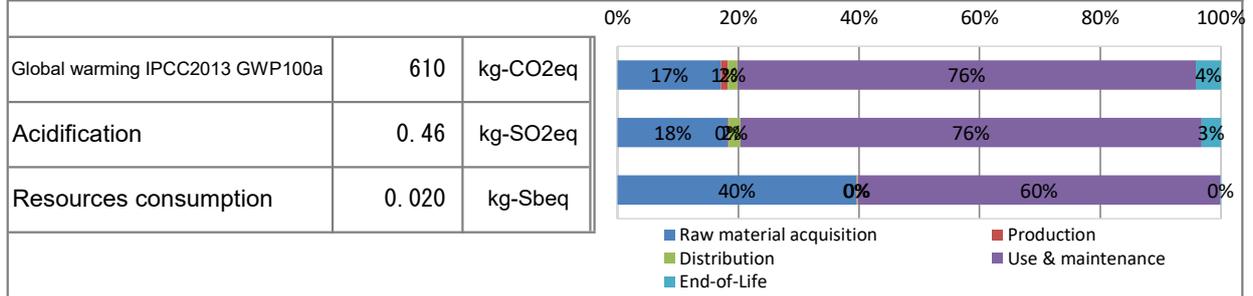
internal external

*Auditor's name is stated if system certification has been performed.

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1. Results of life cycle impact assessment (LCIA)



Parameter	stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a		kg-CO ₂ eq	6.1E+02	1.0E+02	6.5E+00	9.6E+00	4.6E+02	2.5E+01
Acidification		kg-SO ₂ eq	4.6E-01	8.3E-02	8.3E-04	8.6E-03	3.5E-01	1.5E-02
Resources consumption		kg-Sbeq	2.0E-02	7.7E-03	2.1E-05	4.1E-05	1.2E-02	1.6E-05

2. Life cycle inventory analysis (LCI)

項目	単位
Non-renewable material resources	1.9E+01 kg
Non-renewable energy resources	2.1E+02 kg
Renewable material resources	8.4E+01 kg
Renewable primary energy	1.8E+02 MJ
Consumption of freshwater	6.1E-01 m ³

3. Material composition

Material	Unit
Steel	2.5E+00 kg
SUS	5.9E-02 kg
Aluminium	1.1E-01 kg
Other metal	0.0E+00 kg
Plastic	7.0E+00 kg
Rubber	1.7E-01 kg
Glass	2.5E-02 kg
Paper and Wood	2.0E+00 kg
Circuit board	5.7E-01 kg
Othres	8.2E-01 kg

4. Waste to disposal

Parameter	Unit
Treated MSW for landfill	0.0E+00 kg
Treated industrial waste for landfill	6.0E+00 kg

*Data derived from LCA and not assigned to the impact categories of LCIA

5. Additional explanation

Calculation method for usage stage (scenario) : Printer (EP), Expected use period: 5 years, Assumed usage: 240,000 sheets, Print measuring method (pattern): ISO/IEC 19752, Printing paper is not included in the environmental impact, The applied Energy Star program version is 3.0.



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6-1. Supplementary environmental information

This product and main components are produced in our ISO 14001 certified factories.

7. Assumptions of secondary data used

Inventory Database: IDEA v2.1.3, and registered data of EcoLeaf Environmental Labeling Program, JLCA data v1.10 are used.

8. Remarks

7/27/2021 Modified freshwater consumption figures on LCI.

- For data quantification, please refer to PCR and Rules on quantification and declaration.
- Comparative assertion is permitted only when Rules on quantification and declaration are satisfied.
(Reference URL : <https://ecoleaf-label.jp/regulation/>)

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